

behalf of the Chief of Bureau, with a view to securing cooperation between the Jamaican Service and the United States Weather Bureau. Arrangements were made whereby officials of the Department of Public Works are to make and render the special telegraphic observations required at Washington during the hurricane season, in consideration of the turning over to them of the necessary Weather Bureau instruments and apparatus and the cabling to them of advance information of all hurricanes or violent storms likely to affect their island. This arrangement will, it is believed, prove mutually satisfactory. It also insures for the Weather Bureau the permanence and continuity of meteorological observations at Kingston by trained government officials.

The reorganization of the new Jamaican Weather Service has been placed in the hands of the well known meteorologist, Hon. Maxwell Hall, who formerly had charge of this work, and his knowledge of local needs and conditions insures that the work will be well done. The United States Weather Bureau has cordially agreed to extend all possible cooperation and assistance.

INTERESTING LUNAR CORONA.

By CHARLES MIFFLIN HAMMOND. Dated Upper Lake, Cal., July 29, 1907.

Wednesday evening, July 24, I was watching the lunar eclipse; and just as it was passing off, about 9:30, thin, fleecy clouds began to approach the moon from the southwest. As the point of the bank approached it took on a golden-bronze hue, light close to the moon, and darker at a distance. When the clouds were completely between me and the moon there was a complete circle of this light in diameter about twelve diameters of the moon. The clouds were not thick enough to materially obscure the light of the moon. This golden circle gradually faded away. It was unlike anything I had ever seen before, as it did not in the least resemble the ordinary lunar halo; for it was far smaller and was a solid mass of color, tho decidedly lighter in the center, and at the outer edge it shaded off rapidly almost into black, while the clouds were a fleecy white. I saw in one of the Ukiah newspapers—Ukiah being about 20 miles northwest of us—that the last of the eclipse was obscured by a thick bank of clouds. Undoubtedly they were the same ones I saw, but no mention was made of my observations. I regularly watch the moon when it is up, and have done so for years, and repeat that I never saw anything like this before.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

H. H. KIMBALL, Librarian.

The following titles have been selected from among the books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be loaned for a limited time to officials and employees who make application for them.

Weber, F. Parkes and Hinsdale, Guy.

Climatology; health resorts; mineral springs. In two books. Philadelphia. 1902. ix, [10]-336; x, [11]-420 p. 8°.

Wheeler, W. H.

A practical manual of tides and waves. London. 1906. viii, 201 p. 8°.

Krebs, Wilhelm.

Einige Beziehungen des Meeres zum Vulkanismus. Berlin. 1904. 17 p. f°.

Fernley Observatory. Southport.

Report and results of observations. 1906. Southport. 1907. 33 p. 8°.

Koch, Albert.

Das Klima von Hallem vom Saal und Mansfelder Seekreise. Halle a S. 1907. 32 p. 8°.

Norway. Norske meteorologiske Institut.

Nedbøriagttagelser i Norge. 1906. Kristiania. [1907] xx, 219 p. f°.

Bologna. Università. Osservatorio.

Osservazioni meteorologiche 1905. Bologna. 1906. 31 p. f°.

Krüger, Friedrich.

Die Niederschlagsverhältnisse und Gewitter in Herzogtum Sachsen-Altenberg 1900-1904. Altenburg. 1905. 33 p. 8°.

Oddone, Emilio.

Quelques constantes sismiques trouvées par les macrosismes. [Strassburg. 1907.] 27 p. 4°.

Altenburg (Germany). Sternwarte.

Die Witterungsverhältnisse von Altenburg und Umgegend... 1 Juni 1899 bis 31 Mai 1904. Altenburg. 1904. 19 p. 8°.

Hoyt, John C.

Comparison between rainfall and run-off in the northeastern United States. (In Proc. Am. soc. of civ. eng. v. 33, no. 5. May, 1907, p. 452-505.)

Ehrhart, Sebald Bernhard.

Die Verteilung der Temperatur und des Luftdruckes auf der Erdoberfläche im Polarjahre 1882-87. Stuttgart. n. d. 35 p. 8°.

Delory, L.

Essai de météorologie. Béthune. 1901. 92 p. 8°.

Fiala, Anthony.

Fighting the polar ice. New York. 1907. xxii, 296 p. 4°.

Chili. Servicio meteorológico de la Dirección del territorio marítimo.

Anuario 1905. Valparaíso. 1907. 402 p. 4°.

Dallet, G.

La prévision du temps et les prédictions météorologiques. Paris. n. d. 336 p. 12°.

Indo-China. Service météorologique.

Carte pluviométrique de l'Indo-Chine 1906. n. p. [1907.] 1 sheet. 60 x 82 cm.

Observation de l'éclipse de soleil de l'Indo-Chine 1906. Hanoi. 1907. 3 p. 4°.

Kozak, Josef.

Meteorologische Beobachtungen. Wien. 1906. vi, 191 p. 8°.

Norway. Norske meteorologiske Institut.

Jahrbuch 1906. Kristiania. 1907. xii, 121 p. f°.

Greenwich. Royal observatory.

Results of the magnetical and meteorological observations 1905. Edinburgh. 1906. v. p. f°.

Haracic, Ambrogio.

L'isola di Lussin. Lussinpiccolo. 1905. 290 p. 8°.

Sweden. Statens meteorologiska Centralanstalt.

Meteorologiska iakttagelser i Sverige. 1906. Uppsala. 1907. x, 157 p. f°.

Prussia. Königliches preussisches meteorologisches Institut.

Ergebnisse der Gewitter-Beobachtungen 1901 und 1902. Berlin. 1907. xliv, 63 p. f°.

Ergebnisse der meteorologischen Beobachtungen in Potsdam 1903. Berlin. 1907. vii, 118 p. f°.

India. Meteorological department.

Memorandum on the meteorological conditions in the Indian monsoon region... 1907. Simla. 1907. 7 p. f°.

Bracke, A.

Les curiosités atmosphériques en 1906. Mons. 1907. 96 p. 8°.

Roumania. Institutul meteorologic.

Buletinul lunar 1905. Bucuresti. 1906. 254 p. f°.

Hepites, St. C.

Secetele in România. Bucuresti. 1906. 48 p. 8°.

Hepites, St. C. and Murat, I. St.

Meteorologia si metrologia in România. Bucuresti. 1906. ii, 131 p. 8°.

St. Ignatius college (Cleveland). Meteorological observatory.

Twelfth annual report. Cleveland. 1906-7. 26 p. 8°.

Charcot, J[ean]B[aptiste].

Le "Français" au pôle sud. Paris. [1906.] xxxvii, 486 p. 4°.

Amery, P. F. S.

Rainfall at Ashburton. (Repr. Trans. Devonshire assoc. adv. sc. 1906. v. 38, p. 82-86.)

Krüger, Friedrich.

Die Bedeutung der Witterungskunde und Wettervorhersage für den praktischen Landwirt. (S.-A. Fühlings Landwirtschaftliche Zeitung.)

Overbeck, —.

Beiträge zur Klimatologie Meissens. (In Jahresbericht der Fürsten- und Landesschule St. Afra, Meißen, 1906, p. 1-49.)

Abbe, Cleveland.

The progress of science as illustrated by the development of meteorology. (Repr. Phil. soc. Washington, Bull. v. 15, p. 27-56.)

Seidler, Hermann.

Die Temperaturverhältnisse der Westbeskiden. (In Mitteilungen des Beskidenvereins. Bielitz-Biala, 1 Jahrg., 1904, p. 36-43, 51-58.)

Angot, Alfred.

Instructions météorologiques. 4th ed. Paris. 1903. vi, 163 p. 8°.

Journal de physique.

Table analytique et table par noms d'auteurs des trois premières séries du Journal de physique 1872-1901. Paris. n. d. xv, 182, 159 p. 4°.

Mandl, Johann, tr.

Præces an repellandam tempestatem. Der Wettersegen nach dem Römischen Rituale. Regensburg. 1906. 16 p. 24°.